

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:

a vibration member which vibrates the optical member ~~in a plurality of conditions for a predetermined time~~;

a photographing-mode setting unit which sets a photographing mode; and
~~a vibration condition changing unit which changes the condition in which the vibration member vibrates the optical member, in accordance with the photographing mode set by the photographing mode setting unit.~~

~~a vibration-time setting unit which sets, when the photographing-mode setting unit sets the photographing mode to a continuous photographing mode, a first time as the predetermined time for a first photographing operation, and a second time as the predetermined time for each of subsequent photographing operations from a second photographing operation onward,~~

~~wherein the vibration-time setting unit sets the first time to time longer than the second time.~~

2-4. (Cancelled)

5. (Currently amended) An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:

a vibration member which vibrates the optical member;

a photographing-mode setting unit which sets a photographing mode; and

an operation-prohibiting unit which prohibits the vibration member from operating, in accordance with the photographing mode set by the photographing-mode setting unit,

wherein when the photographing-mode setting unit selects a single-shot photographing mode, the operation-prohibiting unit permits the vibration member to operate each time a photographing operation is performed, and when the photographing-mode setting unit selects a continuous photographing mode, the operation-prohibiting unit permits the operation-prohibiting unit to operate only at a first photographing, and prohibits the vibration member from operating at subsequent photographing from a second photographing onward.

6-8. (Cancelled)

9. (Currently amended) An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:

a vibration member which vibrates the optical member ~~in a plurality of conditions for a predetermined time~~;

a photographing-condition setting unit which sets a photographing ~~mode condition~~; and

~~a vibration condition changing unit which changes the condition in a vibration-time changing unit which changes the predetermined time for which the vibration member vibrates the optical member, in accordance with the photographing condition set by the photographing-condition setting unit.~~

10-11. (Cancelled)

12. (Currently amended) An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:

a vibration member which vibrates the optical member;

a photographing-condition setting unit which sets a photographing mode condition; and

an operation-timing setting unit which sets a timing at which the vibration member is operated, in accordance with the photographing condition set by the photographing-condition setting unit,

wherein the photographing-condition setting unit sets exposure time or selects an exposure operation in a bulb state.

13. (Cancelled)

14. (Currently amended) The imager apparatus according to claim 12, An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:

a vibration member which vibrates the optical member;

a photographing-condition setting unit which sets a photographing condition; and

an operation-timing setting unit which sets a timing at which the vibration member is operated, in accordance with the photographing condition set by the photographing-condition setting unit,

wherein the operation-timing setting unit causes the vibration member to operate during an exposure operation of the imaging element, in accordance with the conditions condition set by the photographing-condition setting unit.

15. (Currently amended) ~~The imager apparatus according to claim 12, An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:~~

a vibration member which vibrates the optical member;

a photographing-condition setting unit which sets a photographing condition;
and

an operation-timing setting unit which sets a timing at which the vibration member is operated, in accordance with the photographing condition set by the photographing-condition setting unit,

wherein the operation-timing setting unit causes [[to]] the vibration member to operate intermittently operate during an exposure operation of the imaging element, in accordance with the conditions condition set by the photographing-condition setting unit.

16. (New) An imager apparatus in which an optical member protecting an imaging element is vibrated to remove dust from the optical member, said apparatus comprising:

a vibration member which vibrates the optical member for a predetermined time;

a photographing-condition setting unit which sets a photographing condition;
and

a vibration-time changing unit which changes the predetermined time for which the vibration member vibrates the optical member, in accordance with the photographing condition set by the photographing-condition setting unit,

wherein the vibration-time changing unit increases the predetermined time, when the photographing-condition setting unit sets a high resolution as a resolution for images to be photographed.